Market Structure and Innovation: A Dynamic Analysis of the Global Automotive Industry Discussant: Adam Copeland

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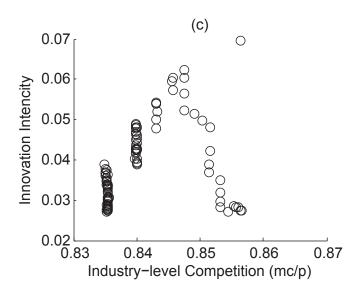
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Summary

- Question: How does change in market structure effect innovative activity in the global automotive market?
- Unlike previous analysis, explicitly take into account
 - \rightarrow dynamic nature of innovation
 - → evolving market structure
- Main result: inverted U shape relationship between market structure and innovative activity.

Market Structure and Innovation



Comments

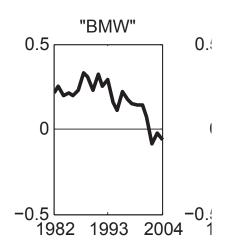
Relative prices do not look right

- Global BMW price falls relative to GM after 1994?
- 2 Chrysler-Daimler merger results in dramatic fall in price.

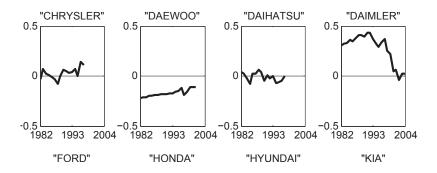
Modeling of merger as exogenous and random

- With merger of 2 firms, number of products falls.
- Why not keep number of products the same?
 → perhaps motivation for merger is to expand product line.
- If this change makes mergers profitable, then can rate potential mergers.

Global BMW prices relative to GM



Global Chrysler/Mercedes prices relative to GM



Comments

- What is the big picture for this evolving industry?
- Maybe use Sutton's framework of endogenous fixed costs.
 - start: fragmented markets (e.g. trade barriers, income).
 - forces behind fragmentation disappear.
 - firms limit competition by increasing R&D, pushing up fixed costs of entry.
- Simple, dynamic story behind industry consolidation.
- Consistent with evolution of other markets.